

IN THE CLAIMS:

1-26. (Previously Canceled)

27. (Presently amended): An ~~isolated~~ antibody, or portion thereof, that specifically binds to a ~~polypeptide comprising~~ the amino acid sequence ~~of set forth in~~ SEQ ID NO:5 or a fragment thereof having protein kinase activity.

28. (Presently amended): An ~~isolated~~ antibody, or portion thereof, that specifically binds to a polypeptide encoded by the nucleic acid molecule ~~comprising the nucleotide sequence of~~ SEQ ID NO:4 or 6, or a fragment of the polypeptide thereof having protein kinase activity.

29. (Presently amended): An ~~isolated~~ antibody, or portion thereof, that specifically binds to a polypeptide encoded by a ~~nucleic acid molecule comprising~~ the nucleotide sequence contained in the plasmid deposited with the ATCC as Accession number 203306, or a fragment of the polypeptide thereof having protein kinase activity.

30. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody is monoclonal.

31. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody is polyclonal.

32. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody is a humanized antibody.

33. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody is a chimeric antibody.

34. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody comprises a F(ab) fragment.

35. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody comprises a F(ab')₂ fragment.

36. (Presently canceled)

37. (Previously added): The antibody of any one of claims 27, 28 or 29, wherein said antibody is a murine antibody.

38. (Presently amended): The antibody of any one of claims 27, 28 or 29, wherein said antibody binds to ~~a fragment of said polypeptide comprising~~ amino acid residues 31-277 ~~[[or]]~~ of SEQ ID NO:5.

39. (Presently canceled)

40. (Presently canceled)